10/532446

Express Mail Label No.: EI 89491US Date of Deposit: April 2 05

## Atty. Dkt. No. B JC20 Rec'd PCT/PTO 2 2 A IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

De Haen et al.

Examiner: TBA

**TBA** 

Serial No.: TBA

Art Unit:

Filing Date: April 22, 2005

For: METHOD FOR THE SELECTIVE AND QUANTITATIVE FUNCTIONALIZATION OF IMMUNOGLOBULIN FAB FRAGMENTS, CONJUGATE COMPOUNDS OBTAINED WITH THE

SAME AND COMPOSITION THEREOF

Certificate of Express Mail Under 37 C.F.R. § 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service on the date indicated below, and is addressed to:

Mail Stop PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Date: April 22, 2005

Signature: \_\_

Pamela Gewirtz

Mail Stop PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

## INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §§ 1.97 AND 1.98

Sir:

It is respectfully requested that the accompanying Information Disclosure Statement be considered during the pendency of the prosecution of the concurrently filed application entering the national stage filing of corresponding international application number PCT/EP2003/012514 pursuant to § 1.97(b):

X

(1) within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d)

X

(2) within three months of the date of entry of the national stage as set forth in § 1.491 in an international application

X

(3) before the mailing of a first Office action on the merits; or

X

(4) before the mailing of a first Office action after the filing of a request for continued examination under § 1.114.

The references, pursuant to § 1.98, are identified on the PTO Form 1449 form and were cited in the PCT International Search Report for corresponding international application number PCT/EP2003/012514. Both the copy of the PCT International Search Report and its references are enclosed.

Express Mail Label No.: EL961889491US Date of Deposit: April 22

0/532446

Deposit: April 22 Atty. Dkt. No. B-0497 PUS, JC20 Rec'd PCT/PTO 2 2 APR 2005

Under 37 CFR § 1.17(p), the fee of \$180.00 is not believed to be due with the filing of this Information Disclosure Statement as it is not being filed under 37 C.F.R. § 1.97(c) or (d). However, if any fees are deemed necessary, the Director is hereby authorized to charge such fees to Deposit Account No. 50-2168.

Respectfully submitted,

Attorney for Applicant Reg. No.: 37,197 Bracco Research USA Inc. 305 College Road East

Princeton, NJ 08540 (609) 514-2454 (609) 514-2446



Express Mail Label No.: EL961889491US

## JC20 Rec'd PCT/PTO 2 2 APR 2005

PTO/SB/08a/b (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				Comple of Months 22 4 4 6		
				Application Number	TBA TBA	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	April , 2005	
				First Named Inventor	Christoph DE HAEN	
Ì				Art Unit	ТВА	
	(Use as many sheets as necessary)			Examiner Name	ТВА	
Sheet	1	of	1	Attorney Docket Number	B-0497 PUS	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> ( if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/B.F.	AA	5,274,119	12/28/93	Frazier et al.	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.¹	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
/B.F./	BA	WO91/04056	4/04/91	Hansen et al.			
	ВВ						

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²	
/B.F./	/B.F./ CA PCT Search Report for PCT/EP03/12514, mail date 03-22-2004			
/B.F.	СВ	ARTEAGA DE MURPHY et al: "Phosphine Reduced IGG: A New Method For 99MTC Labeling Immunoglobulins" Journal of Radioanalytical And Nuclear Chemistry, Articles, Elsevier Sequoia S.A., Lausanne, CH, vol. 220, no. 1, 1997, pages 41-45, XP000199389		
/B.F	.CC ./	BURNS J A et al: "Selective reduction of disulfides by tris(2-carboxyethyl) phosphine" Journal of Organic Chemistry, American Chemical Society. Easton, US, vol. 56, no. 8, 1991, pages 2648-2650, XP002149302, ISSN: 0022-3263		
/B.F	CD ./	SINGH RAJEEVA et al: "Labeling of antibodies by in situ modification of thiol groups generated from selenol-catalyzed reduction of native disulfide bonds." Analytical Biochemistry, vol. 304, - 2002 pages 147-156, XP001165655		
/B.F.	CE /	ANELLI et al: "L-Glutamic acid and L-lysine as useful building blocks for the preparation of bifunctional DTPA-like ligands" Bioconjugate Chemistry, vol. 10, no. 1, 1999, pages 137-140, ABSTRACT, XP002115959		
/B.F.	CF /	SEITZ U et al: "Preparation and evaluation of the rhenium-188-labelled anti-NCA antigen monoclonal antibody BW 250/183 for radioimmunotherapy of leukaemia' European Journal of Nuclear Medicine, Berlin, DE, vol. 26, no. 10, October 1999 (1999-10), pages 1265-1273, XP000952569, ISSN: 0340-6997		
/B.F.,	CG	YASUSHI FUJIOKA, et al: "Renal metabolism of 3'-iodohippuryl N-maleoyl-L-Lysine (HML)-conjugated Fab fragments" Bioconjugate Chemistry, vol. 12, 2001, pages 178-185, XP001165761		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

	· · · · · · · · · · · · · · · · · · ·		
Examiner	/Brandon Fetterolf/	Date	03/31/2008
Signature		Considered	00/01/2000